APR 2 4 2001

From the INTERNATIONAL SEARCHING AUTHORITY

E.I. DU PONT DE NEMOURS AND COMPANY Legal/Patent Records Center

POTENT RECORDS

NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT

Attn. Dobson, Kevin, S. 1007 Market Street Wilmington, Delaware 19898 LEIVED UNITED STATES OF AMERICA MAY 1 0 2001  Applicants or agents file reference AD6430PCT1	OR THE DECLARATION  (PCT Rule 44.1)  Date of mailing (day/month/year) 20/04/2001  FOR FURTHER ACTION See paragraphs 1 and 4 below
International application No. PCT/US 01/02330	International filing date (day/month/year) 24/01/2001
Applicant  E.I. DUPONT DE NEMOURS AND COMPANY	
	as of the International Application (see Rule 46):  Ally 2 months from the date of transmittal of the stalls, see the notes on the accompanying sheet.  Ally 2 months from the date of transmittal of the stalls, see the notes on the accompanying sheet.  All 25 200
4. Further action(s): The applicant is reminded of the following: Shortly after 18 months from the priority date, the international are if the applicant wishes to avoid or postpone publication, a notice priority claim, must reach the International Bureau as provided completion of the technical preparations for international publication. Within 19 months from the priority date, a demand for internation wishes to postpone the entry into the national phase until 30 mo. Within 20 months from the priority date, the applicant must perfor before all designated Offices which have not been elected in the priority date or could not be elected because they are not bound.	e of withdrawal of the international application, or of the in Rules 90bis.1 and 90bis.3, respectively, before the ation.  I preliminary examination must be filed if the applicant onths from the priority date (in some Offices even later).  I the prescribed acts for entry into the national phase e demand or in a later election within 19 months from the

Name and mailing address of the International Searching Authority

European Patent Office, P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016

Authorized officer

Philip Van Kalsbeek

REYNOTED

### **NOTES TO FORM PCT/ISA/220**

These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions respectively.

### **INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19**

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international pbulication. Furthermore, it should be emphasized that provisional protection is available in some States only.

### What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

### When?

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

### Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been is filed, see below.

### How?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

### What documents must/may accompany the amendments?

### Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

Notes to Form PCT/ISA/220 (first sheet) (January 1994)

### NOTES TO FORM PCT/ISA/220 (continued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new:
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

## The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- [Where originally there were 48 claims and after amendment of some claims there are 51]:
   "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- [Where originally there were 15 claims and after amendment of all claims there are 11]: "Claims 1 to 15 replaced by amended claims 1 to 11."
- [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:
   "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or
   "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]: "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

### "Statement under article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

### It must be in the language in which the international appplication is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

### Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the international Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Rule 62.2(a), first sentence).

### Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide.



## PCT

### INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference		on of Transmittal of International Search Report
AD6430PCT1	ACTION (Form PC17)	SA/220) as well as, where applicable, item 5 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/US 01/02330	24/01/2001	28/01/2000
Applicant	<u> </u>	
E.I. DUPONT DE NEMOURS AN	D COMPANY .	
This International Search Report has bee	n prepared by this International Searching	Authority and is transmitted to the applicant
according to Article 18. A copy is being tr	ansmitted to the International Bureau.	• .
This International Search Report consists	s of a total of 3 sheets.	
i con	a copy of each prior art document cited in	this report.
	·	
Basis of the report		
	international search was carried out on the less otherwise indicated under this item.	e basis of the international application in the
the international search v Authority (Rule 23.1(b)).	vas carried out on the basis of a translation	of the international application furnished to this
	nd/or amino acid sequence disclosed in the	he international application, the international search
was carried out on the basis of the		
	onal application in written form. ernational application in computer readable	torm
	o this Authority in written form.	· .
	o this Authority in computer readble form.	
		ng does not go beyond the disclosure in the
	as filed has been furnished.	
the statement that the inf furnished	ormation recorded in computer readable fo	rm is identical to the written sequence listing has been
2. Certain claims were fou	und unsearchable (See Box I).	-
3. Unity of invention is lac	king (see Box II).	
4. With regard to the <b>title</b> ,		
the text is approved as s	ubmitted by the applicant.	
the text has been established	shed by this Authority to read as follows:	
	•	
5. With regard to the abstract,		
	ubmitted by the applicant.	
the text has been establi	shed, according to Rule 38.2(b), by this Au	thority as it appears in Box III. The applicant may, h report, submit comments to this Authority.
6. The figure of the <b>drawings</b> to be pub	-	
as suggested by the app		None of the figures.
because the applicant fa	iled to suggest a figure.	
because this figure bette	r characterizes the invention.	·

International Application No PCT/US 01/02330

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C09J151/06 B32B27/08 C09J123/16

According to International Patent Classification (IPC) or to both national classification and IPC

### B. FIELDS SEARCHED

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 784 089 A (MITSUI PETROCHEMICAL IND) 16 July 1997 (1997-07-16) * claims 1-10 ; page 6, line 20 - page 8, line 19 * page 3, line 30 -page 5, line 48	1-22
X	EP 0 507 557 A (MITSUI PETROCHEMICAL IND) 7 October 1992 (1992-10-07)  * page 2, line 22 - page 3, line 35; page 3, line 57 - page 4, line 9; examples 1-8* claims 1-3  -/	1-3, 6-11, 13-22

χ Further documents are listed in the continuation of box C.	Patent family members are listed in annex.			
<ul> <li>Special categories of cited documents:</li> <li>"A" document defining the general state of the art which is not considered to be of particular relevance</li> <li>"E" earlier document but published on or after the international filing date</li> <li>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</li> <li>"O" document referring to an oral disclosure, use, exhibition or other means</li> <li>"P" document published prior to the international filing date but later than the priority date claimed</li> </ul>	<ul> <li>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</li> <li>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</li> <li>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</li> <li>"&amp;" document member of the same patent family</li> </ul>			
Date of the actual completion of the international search  9 April 2001	Date of mailing of the international search report $20/04/2001$			
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL - 2280 HV Rijswijk  Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  Fax: (+31-70) 340-3016	Authorized officer Hammond, A			

2



International Application No PCT/US 01/02330

C (Continuation) DOCUMENTS CONSIDERED TO BE BEI EVAN	NT.		
C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVAN  Category Citation of document, with indication, where appropriate	<del> </del>		Relevant to claim No.
WO 96 30455 A (DU PONT) 3 October 1996 (1996-10-03 * examples 1-9; Table 1; - page 3, line 37 * page 9, line 20 -page 10,	page 2, line 36		1,16-22
EP 0 896 044 A (MITSUI CHE 10 February 1999 (1999-02- * Example 4 ; claims 1-7 ; - page 25, line 18 ; Examp page 22, line 10-13	-10) page 24, line 6		1,16-22
GB 2 113 696 A (ACC CHEM C CO) 10 August 1983 (1983-0 * claims 1-17 * examples 1-45		·	1,16-22
US 5 115 033 A (WONG CHUN 19 May 1992 (1992-05-19) * Examples 1-4; column 1, column 2, line 49-56; col 31-39 * column 3, line 56 -column	line 9-26; umn 3, line		1,16-18, 20-22
EP 0 791 628 A (MITSUI PET 27 August 1997 (1997-08-27 * claims 1-14 * page 3, line 15 -page 7, l	")		1-22
US 4 407 689 A (OHTSUKI AK 4 October 1983 (1983-10-04 * claims 1,2 ; column 3, 1 4, line 16 * example 2	1)		1–22
			•
		-	
,	,		
	•		

2

# TERNATIONAL SEARCH REPORT Information on patent family members

PCT/US 01/02330

		. 1544/961-0		PC1/US	01/02330
Patent docum cited in search		Publication date	·	Patent family member(s)	Publication date
EP 078408	9 A	16-07-1997	CA DE DE JP KR	2194820 A 69700705 D 69700705 T 9249779 A 222141 B	12-07-1997 09-12-1999 06-04-2000 22-09-1997 01-10-1999
EP 050755	7 A	07-10-1992	CA DE DE JP KR	2064434 A 69204093 D 69204093 T 5156096 A 9600981 B	03-10-1992 21-09-1995 11-01-1996 22-06-1993 15-01-1996
WO 963045	5 A	03-10-1996	US AU CA DE DE EP	5643999 A 5323696 A 2213863 A 69604793 D 69604793 T 0815179 A	01-07-1997 16-10-1996 03-10-1996 25-11-1999 08-06-2000 07-01-1998
EP 089604	4 A	10-02-1999	AU NZ US CA CN CN WO	5677898 A 332447 A 6015625 A 2250193 A 1216057 A 1216057 T 9832809 A	18-08-1998 30-08-1999 18-01-2000 30-07-1998 05-05-1999 05-05-1999 30-07-1998
GB 211369	6 A	10-08-1983	BE CA DE FR JP JP JP NL US	897624 A 1200041 A 3301445 A 3330185 A 2519997 A 1402770 C 58127772 A 62008463 B 8204436 A,B, 4487885 A 4537836 A	16-12-1983 28-01-1986 22-12-1983 23-02-1984 22-07-1983 28-09-1987 29-07-1983 23-02-1987 16-08-1983 11-12-1984 27-08-1985
US 511503	3 A	19-05-1992	GB CA	2228488 A 2010839 A	29-08-1990 27-08-1990
EP 079162	8 A	27-08-1997	JP JP JP US CA CN WO	9077923 A 9077924 A 9087603 A 6183863 B 2205012 A 1165531 A 9710297 A	25-03-1997 25-03-1997 31-03-1997 06-02-2001 20-03-1997 19-11-1997 20-03-1997
US 440768	9 A	04-10-1983	JP JP JP CA DE DK EP	1484875 C 56126121 A 63034818 B 56089518 A 1165680 A 3069245 D 544880 A 0031701 A	14-03-1989 02-10-1981 12-07-1988 20-07-1981 17-04-1984 25-10-1984 22-06-1981 08-07-1981